MD 115 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

SIGNS

8
R10-12
30 in. x 36 in.

9,10
D3-2
Variable x 16 in.

11
D-3(1)
Variable x 16 in.

12,15
W3-3
48 in. x 48 in.
"NEW"
30 in. x 30 in.
And Flags

13
M3-4
30 in. x 15 in.
M1-5
48 in. x 36 in.
M6-1
30 in. x 24 in.

14
M3-2
24 in. x 12 in.
M1-5
24 in. x 30 in.
M6-1
21 in. x 15 in.

ASSOCIATED SHIELD ASSEMBLY
48 in. x 75 in.

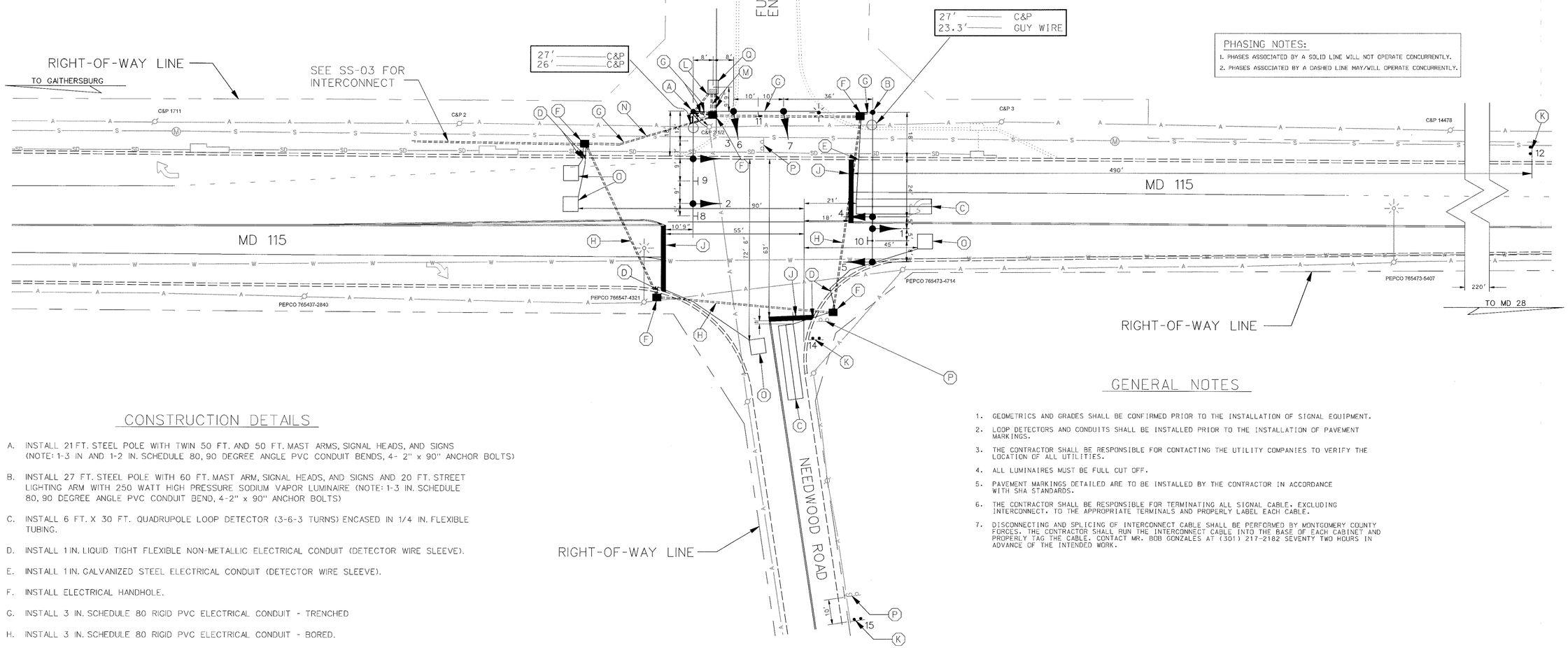
SIGNAL HEADS

1 — 12"/8"
2 — 12"
3-7 — 12"

NEMA PHASING

Ø 2 Ø 4
Ø 5 Ø 6

FLASHING OPERATION



PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

GENERAL NOTES

1. GEOMETRICS AND GRADES SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL UTILITIES.
4. ALL LUMINAIRES MUST BE FULL CUT OFF.
5. PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE, EXCLUDING INTERCONNECT, TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT MR. BOB GONZALES AT (301) 217-2182 SEVENTY TWO HOURS IN ADVANCE OF THE INTENDED WORK.

CONSTRUCTION DETAILS

A. INSTALL 21 FT. STEEL POLE WITH TWIN 50 FT. AND 50 FT. MAST ARMS, SIGNAL HEADS, AND SIGNS (NOTE: 1-3 IN AND 1-2 IN. SCHEDULE 80, 90 DEGREE ANGLE PVC CONDUIT BENDS, 4- 2" x 90" ANCHOR BOLTS)

B. INSTALL 27 FT. STEEL POLE WITH 60 FT. MAST ARM, SIGNAL HEADS, AND SIGNS AND 20 FT. STREET LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE ANGLE PVC CONDUIT BEND, 4-2" x 90" ANCHOR BOLTS)

C. INSTALL 6 FT. X 30 FT. QUADRUPOLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN 1/4 IN. FLEXIBLE TUBING.

D. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

E. INSTALL 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

F. INSTALL ELECTRICAL HANDHOLE.

G. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED

H. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.

J. INSTALL 24 IN. WHITE THERMOPLASTIC MARKING TAPE (STOPLINE).

K. INSTALL GROUND MOUNTED SIGN.

L. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.

N. PROPOSED OVERHEAD FEED.

O. INSTALL 6 FT. X 6 FT. LOOP DETECTOR (4 TURNS)

P. REMOVE EXISTING SIGN.

Q. INSTALL CONTROLLER HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.

ROADWAY LEGEND

FUTURE CONSTRUCTION
EXISTING GEOMETRY

UTILITY LEGEND

A — AERIAL CABLE
E — ELECTRICAL
T — TELEPHONE
G — GAS
S — SEWER
W — WATER
TV — CABLE TV

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REVISIONS:

APPROVALS:
CHIEF SIGNAL DESIGN SECTION D. GRIFFITH
ASST. DISTRICT ENGINEER TRAFFIC
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION 3/10/99
DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE 15011502.84

DRAWN BY: JAB/BSH
DES. BY: JAB/BSH
CHK. BY: DLA 3-8-99

MD 115 @ NEEDWOOD ROAD
SIGNAL DESIGN
COUNTY: MONTGOMERY

DATE: JANUARY, 1999 F.A.P. NO. N/A
SCALE: 1"=20' S.H.A. NO. AW277A55/B55

TS/STD. NO.: 3820

SHEET NO. 1 OF 3

SS-01

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